

PATENT COOPERATION TREATY

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INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 524522002240	FOR FURTHER ACTION see Form PCT/ISA/220 as well as, where applicable, item 5 below.	
International application No. PCT/US2006/005453	International filing date (day/month/year) 14/02/2006	(Earliest) Priority Date (day/month/year) 14/02/2005
Applicant NEUROGESX, INC.		

This international search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This international search report consists of a total of 5 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

a. With regard to the language, the international search was carried out on the basis of:

- ☒ the international application in the language in which it was filed
☐ a translation of the international application into _____, which is the language of a translation furnished for the purposes of international search (Rules 12.3(a) and 23.1(b))

b. ☐ With regard to any nucleotide and/or amino acid sequence disclosed in the international application, see Box No. I.

2. ☐ Certain claims were found unsearchable (See Box No. II)

3. ☐ Unity of invention is lacking (see Box No. III)

4. With regard to the title,

- ☒ the text is approved as submitted by the applicant
☐ the text has been established by this Authority to read as follows:

5. With regard to the abstract,

- ☒ the text is approved as submitted by the applicant
☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority

6. With regard to the drawings,

- a. the figure of the drawings to be published with the abstract is Figure No. _____
☐ as suggested by the applicant
☐ as selected by this Authority, because the applicant failed to suggest a figure
☐ as selected by this Authority, because this figure better characterizes the invention

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INTERNATIONAL SEARCH REPORT

International application No

PCT/US2006/005453

A. CLASSIFICATION OF SUBJECT MATTER

INV. A61K9/70 A61F13/00 A61K31/565

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

A61K A61F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, BIOSIS, WPI Data, MEDLINE

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 2004/089361 A (LOHMANN THERAPIE SYST LTS [DE]; MUELLER WALTER [DE]) 21 October 2004 (2004-10-21)	1-39
Y	Examples 1-4 together with page 1, lines 24-26; claims.	1-39
X	US 2004/202707 A1 (MULLER WALTER [DE]) 14 October 2004 (2004-10-14)	1-39
Y	examples 1-5, [0032, claims]	1-39
X	US 5 665 378 A (DAVIS ROOSEVELT [US] ET AL) 9 September 1997 (1997-09-09)	1-39
Y	claims 7,8; example 1; column 3, lines 28-37; column 4, lines 33-42	1-39
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☒ Further documents are listed in the continuation of Box C.☒ See patent family annex.

* Special categories of cited documents :

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&" document member of the same patent family

Date of the actual completion of the international search

5 January 2007

Date of mailing of the international search report

20/02/2007

Name and mailing address of the ISA/

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2201 MV Dordrecht

Authorized officer

INTERNATIONAL SEARCH REPORT

International application No

PCT/US2006/005453

C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 2004/091521 A2 (NEUROGESX INC [US]; MUHAMMAD NAWIED [US]; JAMIESON GENE [US]; BLEY KEI) 28 October 2004 (2004-10-28)	1-39
Y	examples, in particular example 6; [0033][0040][0062][0122], claims 61-67, 75, 85-97	1-39
Y	KANIKKANNAN N ET AL: "Structure-activity relationship of chemical penetration enhancers in transdermal drug delivery." CURRENT MEDICINAL CHEMISTRY. JUN 2000, vol. 7, no. 6, June 2000 (2000-06), pages 593-608, XP002413146 ISSN: 0929-8673 CPE page 595ff; TEWL page 602ff; abstract	1-39
Y	GHAFOURIAN T ET AL: "The effect of penetration enhancers on drug delivery through skin: a QSAR study" JOURNAL OF CONTROLLED RELEASE, ELSEVIER, AMSTERDAM, NL, vol. 99, no. 1, 14 September 2004 (2004-09-14), pages 113-125, XP004549074 ISSN: 0168-3659 Abstract; Tables, Figures; Discussion	1-39
Y	MAGNUSSON B M ET AL: "In vitro percutaneous penetration of topically applied capsaicin in relation to in vivo sensation responses" INTERNATIONAL JOURNAL OF PHARMACEUTICS (KIDLINGTON), vol. 195, no. 1-2, 15 February 2000 (2000-02-15), pages 55-62, XP002413147 ISSN: 0378-5173 Figures; page 59-60	1-39
P,Y	FANG JIA-YOU ET AL: "Electrically-assisted skin permeation of two synthetic capsaicin derivatives, sodium nonivamide acetate and sodium nonivamide propionate, via rate-controlling polyethylene membranes" BIOLOGICAL & PHARMACEUTICAL BULLETIN, vol. 28, no. 9, September 2005 (2005-09), pages 1695-1701, XP002413148 ISSN: 0918-6158 the whole document	1-39
T	WO 2006/105481 A (NEUROGESX INC [US]; BLEY KEITH R [US]) 5 October 2006 (2006-10-05) the whole document	1-39

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C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
T	<p>US 2006/222690 A1 (BLEY KEITH R [US]) 5 October 2006 (2006-10-05) the whole document</p>	1-39

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/US2006/005453

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 2004089361	A	21-10-2004	AU 2003289710 A1 BR PI0318250 A CA 2517493 A1 CN 1784222 A EP 1613297 A1 JP 2006514977 T KR 20060002997 A MX PA05011012 A	01-11-2004 23-05-2006 21-10-2004 07-06-2006 11-01-2006 18-05-2006 09-01-2006 12-12-2005
US 2004202707	A1	14-10-2004	NONE	
US 5665378	A	09-09-1997	NONE	
WO 2004091521	A2	28-10-2004	CA 2522028 A1 EP 1610742 A2 JP 2006522832 T	28-10-2004 04-01-2006 05-10-2006
WO 2006105481	A	05-10-2006	NONE	
US 2006222690	A1	05-10-2006	NONE	